

Sheet 6

Problem 1

```
// Computers & control Engineering Dept. - First Year Students
// Computer Programming(2) - Second Term - 2011/2012
// This program used to compare and count two series of characters
#include <iostream.h>
#include <string.h>
void main()
{
    char s1[20];
    char s2[20];
    int result;
    cout<<"Enter First String: "<<endl;
    cin>>s1;
    cout<<"Enter Second String: "<<endl;
    cin>>s2;
    result=strcmp(s1,s2);
    if(result>0)
        cout<<"First string is greater than second "<<endl;
    else if (result==0)
        cout<<"First string is equal to second "<<endl;
    else
        cout<<"Second string is greater than first "<<endl;
    cout<<"Length of first string is "<<strlen(s1)<<endl;
    cout<<"Length of second string is "<<strlen(s2)<<endl;*/
}
```

Problem 2

```
// Computers & control Engineering Dept. - First Year Students
// Computer Programming(2) - Second Term - 2011/2012
// This program used to compare and count two series of characters
#include <iostream.h>
#include <string.h>
void main()
{
    char s1[20];
    char s2[20];
    int result;
    cout<<"Enter First String: "<<endl;
    cin.getline(s1,20);
    cout<<"Enter Second String: "<<endl;
    cin.getline(s2,20);
    result=strcmp(s1,s2);
    if(result>0)
        cout<<"First string is greater than second "<<endl;
    else if (result==0)
        cout<<"First string is equal to second "<<endl;
    else
        cout<<"Second string is greater than first "<<endl;
    cout<<"Length of first string is "<<strlen(s1)<<endl;
    cout<<"Length of second string is "<<strlen(s2)<<endl;*/
}
```

Problem 3

```
// Computers & control Engineering Dept. - First Year Students
// This program uses strcat function
#include <iostream.h>
#include <string.h>
void main()
{
    char s1[40],s2[10],s3[10];
    cout<<"Enter the three string of your name"<<endl;
    cin>>s1>>s2>>s3;
    strcat(s1,s2);
    strcat(s1,s3);
    cout<<"My Full Name: "<<s1<<endl;
}
```

Problem 4

```
// Computers & control Engineering Dept. - First Year Students
// This program uses strcpy function
#include <iostream.h>
#include <string.h>
void main()
{
    char x[20]="Mona";
    char y[20]="Ali";
    char z[20]="Hussein";
    strcpy(x,y);
    cout<<x<<endl;
    strcat(y,z);
    cout<<y<<endl;
}
```

Problem 5

```
// Computers & control Engineering Dept. - First Year Students
// This program uses strupr function
#include <iostream.h>
#include <string.h>
void main()
{
    char string[30];
    cout<<"Enter lower letters: "<<endl;
    cin.getline(string,30);
    //cin>>string;
    strupr(string);
    cout<<"The capital letters are: "<<string<<endl;
}
```